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F04D 29/28

AU-A-80708/91

COLE/ \* Q56 92-024501/03 \* WO 9119-906-A  
Gaseous fluid aspirator or pump - comprises housing and impeller where impeller turns fluid flow through flow separation and turbulence is prevented by housing shape

COLE M T 19.06.90-AU-000709

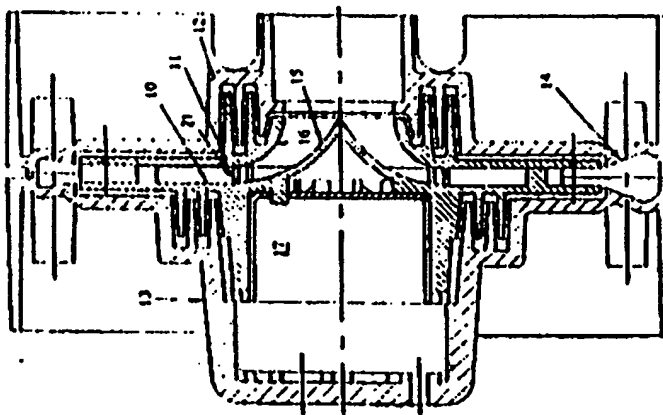
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19.06.91 as AU0261 (1787JT) (E) SU-382849 US2827261 GB1043168  
1.Intl.Ref N(AU CA JP US) R(AT BE CH DE DK ES FR GB GR IT LU NL SE)

The apparatus includes a curved blade impeller (910) with radially extending blades. The impeller is mounted in a housing (16) with gaseous fluid inlet (15) and outlet (14). The impeller changes the axial flow of fluid into a radial flow.

A portion of the housing is curvate conical shaped to prevent flow separation and turbulence in the gaseous fluid stream whilst under influence of the impeller turning the fluid flow through an angle of 90 deg. acceleration and deceleration of the fluid flow being prevented.

USE - Smoke detector apparatus. (19pp Dwg.No.1/10)  
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